

ABSTRACT

A multi-valve internal combustion engine using a cam actuated piston/plunger type valve made of metal or other material operating in a companion cylinder with ported passages to the control intake and exhaust functions of an internal combustion engine. The piston valve is fitted with snap type piston rings of the gap sealing design. The piston valve is actuated and controlled by a cam and spring arrangement. Opening of the piston valve is accomplished by spring tension on the valve as rotation of the cam allows the valve to open. As the cam turns, closure is accomplished by the action of the cam against the piston valve.